

It is with great concern that I am writing this letter today to the FCC and to my states representatives in Washington, DC. I am a Professional Land Surveyor, heading the survey department for a Civil Engineering firm in Cayce, South Carolina. I will not pretend to know all the details surrounding existing GPS signals and how LightSquared's proposed network will affect these GPS signals, but what I do know I don't like. The paragraph below was copied from the "Save Our GPS" website for accuracy.

"In January, the Federal Communications Commission (FCC) conditionally allowed a company called LightSquared to offer wireless broadband services in radio frequency bands adjacent to those used by GPS receivers. The Final Report of the Technical Working Group mandated by the Federal Communications Commission and conducted jointly by LightSquared and the GPS community of manufacturers and users has been filed with the FCC. It shows that LightSquared's proposed network would cause devastating interference to all kinds of GPS receivers tested including those used in Aviation, Cellular phones, General Location and Navigation (including Automotive, Public Safety, Personal and Marine Navigation), High Precision and Networks (including Agriculture, Surveying, Construction and Monitoring of Dams, Structures, Earthquakes and Volcanoes), and GPS Timing. The results show that the network would also jam LightSquared's own satellite transmissions and those of others in the same Mobile Satellite Services (MSS) band, being used in many important land and marine based industrial and safety applications."

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Our firm has invested tens of thousands of dollars in survey grade GPS receivers to assist in the every day operation of our survey department. We use this GPS equipment for boundary surveys, topographic surveys, construction staking, utility surveys and route surveys, as well as smaller surveys that clients want tied to state plane coordinates. Our field crews also use GPS to navigate to different job sites during the course of a work day. In these tough economic times, and faced with increasingly competitive bidding practices, I count on our crews being able to quickly employ GPS on surveys in an effort to keep job costs down, thus increasing our chances to win project bids and still remain marginally profitable. Without GPS, our ability to bid competitively in this difficult economy would be severely degraded.

At the FCC's request, tests were performed and the results conclusively showed that GPS reception would be wiped out by allowing LightSquared to proceed with these proposed services using the spectrum near the GPS band.

I am strongly urging the FCC not to approve LightSquared's application to offer wireless broadband services in radio frequency bands adjacent to those used by GPS receivers, or to allow LightSquared to attempt to modify versions of it's plan to use the spectrum adjacent to the GPS band.

I am also asking all of our states representatives in Washington to oppose this proposed service by LightSquared, and for each of you to voice OUR concerns to the FCC regarding this potentially crippling action. Only when you look at just how many people, businesses, professions, communities and government departments ( such as FAA, DOT, DOD and Agriculture) depend on uninterrupted GPS service to conduct day to day operations do you begin to see the importance of swift and decisive action to stop LightSquared's plan to deploy this network.

Thank you all for your attention to this matter and for your service to this great country.

Sincerely,  
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